

REMARKS

In this response to the Office Action mailed November 19, 2003 (Paper No. 7), the Examiner has withdrawn claims 15-21 as being drawn to non-elected subject matter. Claims 11 and 22 are the subject of examination.

The Examiner objected to claim 22 because it lacked a period after the recited structure. Applicants have amended claim 22 to correct grammatical and typographical errors. No new matter has been added.

Rejection under 35 U.S.C. § 103(a)

The Examiner rejected claims 11 and 22 under 35 U.S.C. § 103(a) as being unpatentable over Hano et al., Arch. Immunol. Terapii Doswiadezalnej (1961), 9(4), p. 609-629; CAPLUS abstract 1964:41463 ("the Hano reference"). In the rejection, the Examiner states that the claimed compound is one of only two possible enantiomers of a well-known compound in the art. Applicants traverse this statement. The Examiner is referring to what could only have been a racemic mixture cited in the abstract, since the technology for separating the enantiomers did not exist at that time. The elected species is not well-known because it has never been resolved prior to the present invention. Applicants submit that the well-known compound the Examiner is referring to is the racemic mixture of 1, 1, 3 – triphenyl-2-aminopropane.

Additionally the Examiner states that claims 11 and 22 are rejected over the Hano reference because the compound disclosed in the reference was a mixture of two racemates and that there is an expectation that racemates have different biological properties, so it would be obvious to resolve the racemates to determine what their individual activities are, and one of skill in the art would have been motivated to do so. Applicants respectfully traverse.

To establish a *prima facie* case of obviousness, three basic criteria must be met. First, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference or to combine reference teachings. Second, there must be a reasonable expectation of success. Finally, the prior art reference (or references when combined) must teach or suggest all the claim limitations. Moreover, the teaching or suggestion to make the claimed combination and the reasonable expectation of success must both be found in the prior art, not in applicant's disclosure. In re Vaeck, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991).

Applicants submit that the Examiner has failed to establish a *prima facie* case of obviousness. The burden is on the examiner to establish a *prima facie* case of obviousness of the claimed subject matter over prior art references. In re Deuel, 51 F.3d 1552, 1557, 34 USPQ2d 1210, 1214 (Fed. Cir. 1995). Only after that burden is met must the applicant come forward with arguments or evidence in rebuttal. Id. Findings of fact must be supported by substantial evidence in the record. In re Gartside, 203 F.3d 1305, 1315, 53 USPQ2d 1769, 1775 (Fed. Cir. 2000). A rejection under § 103 is proper only when "the PTO establishes that the invention as claimed in the application is obvious over cited prior art, based on the specific comparison of that prior art with claim limitations." In re Ochiai, 71 F.3d 1565, 1572, 37 USPQ2d 1127, 1133 (Fed. Cir. 1995) (emphasis added).

First, the Hano reference cited is from 1961 and obviously discloses a racemic mixture and not a synthetic method of making one of the enantiomers. Second, the Examiner fails to identify any other art which teaches or suggests all of the limitations of the claims other than Applicants' own reference, or that there would be an expectation of success. For example, the Examiner has not cited a reference that discloses the elected species of either claim or its pharmacological activity.

The Examiner cites In re Adamson, 275 F.2d 952, 125 USPQ 233 (CCPA 1960) for the proposition that it would be obvious to one of skill in the art that enantiomers may have substantially different properties and one of skill in the art would have been motivated to resolve them. Applicants argue that indeed enantiomers may have unpredictable properties which by definition cannot also be obvious. See, Roger Crossley, *The Relevance of Chirality to the Study of Biological Activity*, 48 TETRAHEDRON 8155, 8156, 8174, 8175 (1992). Applicants respectfully point out that the Examiner's reliance on In re Adamson is misguided. See Ex parte ARMELLE BONFILS and DANIEL PHILIBERT, Appeal No. 2001-2138, 2002 Pat. App. Lexis 188, (a copy is attached) where the Board stated in part:

Examination of the remaining cases cited by the examiner shows that words that might be interpreted as establishing a *prima facie* case of obviousness of a claimed stereoisomer over the [*17] enantiomer disclosed in the prior art are either *dicta* because they were not necessary for the disposition of the case, or they were made within the context of the record before the court, and are thus of limited general applicability.... In *In re Adamson*, 275 F.2d 952, 125 USPQ 233 (CCPA 1960) the court upheld an obviousness rejection of claims to "[a] laevo-isomer of a compound . . . substantially separated from the dextro-isomer" over references disclosing the racemate, i.e., a mixture of equal amounts of the enantiomers.... Because the court did not rely on the general proposition that one optical isomer is *prima facie* obvious over its enantiomer, *Adamson* does not stand for that proposition.

Ex Parte Bonfils at 18 (emphasis added).

"[I]f the prior art of record fails to disclose or render obvious a method for making a claimed compound, at the time the invention was made, it may not be legally concluded that the compound itself is in the possession of the public. In this context, we say that the absence of a known or obvious process for making the claimed compounds overcomes a presumption that the compounds are obvious, based on the close relationships between their structures and those of prior art compounds." *In re Hoeksema*, 399 F.2d 269, 274-75, 158 USPQ 597, 601 (CCPA 1968).

In fact, the case law regarding obviousness is completely turned on its head by the rejection made by the Examiner. In the rejection, the Examiner argues that it was known that the claimed compound was a mixture of two racemates and that there is an expectation that racemates have different biological properties, so it would be obvious to resolve the racemates to determine what their individual activities are, and one of skill in the art would have been motivated to do so. However, the presumption of obviousness based on a reference disclosing structurally similar compounds (such as enantiomers in this case) may be overcome where there is evidence showing there is no reasonable expectation of similar properties in structurally similar compounds. In *re May*, 574 F.2d 1082, 197 USPQ 601 (CCPA 1978) (appellant produced sufficient evidence to establish a substantial degree of unpredictability in the pertinent art area, and thereby rebutted the presumption that structurally similar compounds have similar properties). The CCPA has said there is a *prima facie* case of obviousness only if similar compounds have similar properties. Applicants respectfully point out that this is the opposite of the Examiner's basis for rejection. The Examiner is stating in his rejection that the pharmacological activities of the enantiomers would be substantially different. Moreover, there is no identification of what the activities are or could be. Therefore, structurally similar compounds with substantially different pharmacological activities cannot be obvious under either Hoeksema or May.

At best, the Examiner is arguing that it would have been "obvious to try" to resolve the racemates, which is improper. In *re O'Farrell*, 853 F.2d 894, 903, 7 USPQ2d 1673, 1681 (Fed. Cir. 1988). The Examiner has not provided any references containing a detailed enabling methodology, a suggestion to modify the prior art to produce the claimed invention, or any evidence suggesting the modification would be successful.

In addition, if the Examiner's argument were correct, then one would assume that in the intervening 43 years since the original article was published, that someone would have been motivated to resolve the enantiomers and publish findings on at least one of them. That is not the case. Therefore, Applicants submit that the Hano reference has not provided any suggestion or motivation in the art to produce the claimed invention prior to the present invention.

Finally, the Examiner states that enantiomers are expected to have substantially different pharmacological activities, and then argues that expected beneficial results are evidence of obviousness. Applicants respectfully traverse. The Examiner has not provided any evidence in the art that: 1) the enantiomers have different pharmacological activities, and 2) how having different activities would be considered "beneficial" to one of skill in the art. Without any evidence in the art, to support this argument, the Examiner's rejection cannot stand.

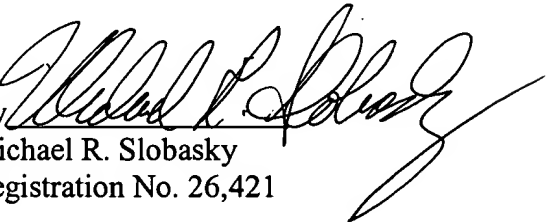
When the references cited by the examiner fail to establish a *prima facie* case of obviousness, the rejection is improper and will be overturned. In re Fine, 837 F.2d 1071, 1074, 5 USPQ2d 1596, 1986 (Fed. Cir. 1988). The Examiner has not established a *prima facie* obviousness rejection under 35 U.S.C. § 103 and applicants respectfully request withdrawal of the rejection.

If there are any questions, the Examiner is invited to call the attorney at 202-638-6666. Entry of the amendment and reconsideration is respectfully requested.

Respectfully submitted,

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1 of 1 DOCUMENT

Ex parte ARMELLE BONFILS and DANIEL PHILIBERT

Appeal No. 2001-2138

Application 08/403,276 n1

n1 Application for patent filed March 13, 1995. Appellants claim priority under 35 U.S.C. § 119 to April 1, 1994, based on an application filed in France. The real party in interest is Roussel Uclaf, of Paris, France. (Brief, Paper No. 18, at 1.)

Board of Patent Appeals and Interferences

2002 Pat. App. LEXIS 188

February 20, 2002, Decided

[*1]

Before: WILLIAM F. SMITH, Administrative Patent Judge, McKELVEY, Senior Administrative Patent Judge, and NAGUMO, Administrative Patent Judge.

OPINIONBY: NAGUMO

OPINION:

The opinion in support of the decision being entered today is not binding precedent of the Board.

ON BRIEF n2

n2 Appellants, through counsel, requested an oral hearing. (Paper No. 20, filed May 6, 1998.) Our review of the case revealed that a hearing was not necessary to assist us in the resolution of the issues on appeal.

NAGUMO, Administrative Patent Judge.

Decision on appeal under 35 U.S.C. § 134

This appeal is from a decision of a primary examiner rejecting claims 1 through 5. Claim 6 has been withdrawn from consideration. We reverse.

A. Findings of fact

Background

1. Compounds that are mirror images of one another are called "enantiomers." *See In re May*, 574 F.2d 1082, 1085, 197 USPQ 601, 603 (CCPA 1978) for a brief review of stereochemical terminology and conventions. Such compounds are also called "chiral" ("handed"), and "antipodal." (E.g., Brief at 4.)

2. The standard numbering system for steroids is as follows: [*2]

[SEE ILLUSTRATION IN ORIGINAL]

(LOUIS F. FIESER & MARY FIESER, STEROIDS 1 (1959) ("FIESER").

3. The naturally occurring steroid estrone has the following stereochemistry:

[SEE ILLUSTRATION IN ORIGINAL]

(FIESER at 464.)

An atom or group that lies below the plane of the paper is depicted by a dashed line leading to the group, and denoted "*" in the chemical name. An atom or group that lies above the plane of the paper is depicted by a solid line, dark triangles or thickened lines leading to the group, and denoted "*" in the chemical name. (*May at 1085, 197 USPQ at 603.*) Bonds to atoms or groups that can lie above or below the plane of the paper are denoted by wavy lines. (Spec. at 3, II.6--9.)

The invention

The record supports the following findings by at least a preponderance of the evidence. n3

n3 To the extent these findings of fact discuss legal issues, they may be treated as conclusions of law.

4. The invention relates to certain stereoisomers of 20-substituted steroids, and their pharmaceutically acceptable salts. (Spec. at 2.)

5. According to Appellants, the compounds are useful for controlling male fertility in mammals [*3] (*id.*), by affecting the fertilizing power of the spermatozoid. (Spec. at 14, II.16--18.)

6. A preferred compound within the scope of Appellants' invention has the structure shown in formula 1':

[SEE ILLUSTRATION IN ORIGINAL]

where R[1] and R[2] are methyl.

7. This compound is named (20S) (8*, 9*, 13*, 14*, 17*) 20-(((dimethylamino)-ethyl)-amino)-19-nor-*<1,3,5(10)-pregnatrien-3-ol. (Spec. at 5, II.10--12; claim 5.)

8. Comparison of the structure of formula I' with the structure of naturally occurring estrone shows that Appellants are claiming compounds wherein the B, C, and D fused rings are the mirror image of the naturally occurring estrone ring structure.

The claims

9. Claim 1 is representative and reads as follows:

A compound selected from the group consisting of a compound of the formula

[SEE ILLUSTRATION IN ORIGINAL]

wherein R[1] and R[2] are individually selected from the group consisting of alkyl of 1 to 12 carbon atoms and aralkyl of 7 to 15 carbon atoms or taken together form [sic, from] a saturated heterocycle of 5 to 6 ring members optionally having a second ring heteroatom selected from the group consisting of sulfur, oxygen and nitrogen, R[3] is an * -alkyl [*4] of 1 to 8 carbon atoms, n is an integer from 2 to 15, R[4] is alkyl of 1 to 12 carbon atoms, R[5] is selected from the group consisting of hydrogen, alkyl of 1 to 12 carbon atoms and acyl of an organic carboxylic acid of up to 12 carbon atoms and the wavy lines indicate that the 17- and 20- asymmetrical centers are independent of the absolute R and S configurations and their non-toxic, pharmaceutically acceptable acid addition salts.

The examiner's rejections

10. Claims 1 through 5 were rejected under 35 U.S.C. § 103(a) as being unpatentable over French patent document 1,380,424 ("RU* I"), or French patent document 90,805 ("RU* II"), both assigned to Roussel* Uclaf. On receipt by the board, no translation for either document was present in the application file.

Roussel* Uclaf I

11. U.S. Patent No. 3,156,619, issued to Bertin and Nedelec on November 10, 1964 ("Bertin"), claims priority in part from RU* I. Although Bertin contains material not included in RU* I, the parallel cites *post* confirm the sense of the French text. We stress that the examiner did not cite Bertin, and that we use it as an informal translation to confirm our reliance [*5] on chemical formulas and names disclosed by RU* I.

12. RU* I concerns compounds having the structure:

[SEE ILLUSTRATION IN ORIGINAL]

where R represents hydrogen, a lower alkyl radical, or an acyl radical of a lower organic acid. (Roussel* Uclaf I at 1, left column; Bertin at col. 1, II.15--30.)

13. These compounds may be named 3-OR-20-(N,N-dimethylaminoethylamino)-19-nor-*<1,2,5(10)>-pregnatrienes. (RU* I at 1, right column, II.5--6; Bertin at col. 2, II.69--70, and Table 1 at col. 3 (chemical reaction scheme).)

14. The compounds are disclosed to have antilipemic and hypocholesterolemic activities, and to lack any estrogenic activity. (RU* I at 1, left column, second paragraph; Bertin at col. 2, II.40--43.)

15. The disclosed synthesis of the inventive compounds begins with compounds of formula II, such as 3-OR 20-oxo 19-nor *<1,3,5(10)>-pregnatriene. (RU* I at 1, left column, last paragraph (see also the chemical scheme on the last page); Bertin at col. 2, II.49-57.)

RU* II

16. RU* II concerns 11-hydroxy derivatives of the compounds disclosed by RU* I. These are compounds having the same structure as those of RU* I, with a hydroxy (* OH) group attached to the C* ring at [*6] the 11-position. (RU* II at 1, left column, lower chemical structure.)

The examiner's rationale

17. In the examiner's words, "both references teach 20-(* -N,N-dimethylaminoethyl)amino-19-nor-1,3,5(10)-pregnatrienes having either a hydroxy or an acyl group in the 3-position. (Answer at 3.)

18. The examiner finds that Appellants' claimed subject matter differs from the teachings of the reference by "having a different stereochemistry at the 8, 9, 13 and 14 positions." (*Id.* at 4.)

19. The examiner then observes that "the claimed compounds are stereoisomers of the compounds taught by the references." (*Id.*)

20. The examiner concludes that "in the absence of unobvious results, a single isomer of a compound would be obvious to one having ordinary skill in the art." (*Id.*)

21. The examiner argues that the evidence of unexpected results presented by Appellants is unpersuasive because they did not provide side-to-side comparisons of the new enantiomer and the known enantiomer. Hence, according to the examiner, Appellants have not shown that "the two isomers would have different properties or that the claimed compounds have some unexpected or superior property." (*Id.*)

Appellant's [*7] argument

22. In response to the first office action on the merits of the application rejecting claims 1--5 over RU* II, Appellants enclosed a copy of RU* I and stated:

"the compounds disclosed in the references have the normal stereochemistry of the pregnane derivatives which is 8* 9* 13* 14* and in contrast thereto, the compounds of Applicants' invention have the unusual antipodal configuration of 8* 9* 13* 14*. This unnatural configuration of the steroids of Applicants' invention is obtained by a process in which the starting compound is the antipodal (-)-estrone (8* 9* 13* 14*), whereas, the prior art compounds start with the natural (+)-estrone (8* 9* 13* 14*) in the reaction sequence. [Paper No. 7 at 2, emphasis original.]

23. Appellants argue that the references relied on by the Examiner do not teach Appellants' specific 8*, 9*, 13*, 14* configuration of steroids. (Brief at 3.)

24. Appellants also argue that the references fail because they do not enable those of ordinary skill in the art to make the claimed antipodal compounds. (*Id.* at 3--4.)

25. Appellants argue further that evidence of record (Crossley n4) shows that the pharmaceutical activity of a new single [*8] stereoisomeric form "is not obvious to envisage" compared to a known stereoisomeric form or a known racemic mixture. (Brief at 4.)

n4 Roger Crossley, *The Relevance of Chirality to the Study of Biological Activity*, 48 TETRAHEDRON 8155, 8156, 8174, 8175 (1992), filed attached to Paper No. 14 on November 12, 1997.

26. Appellants urge that one skilled in the art would not have been able to predict the discovered effect on spermazoid levels based on the known antilipemic activity of the reference compounds. (*Id.*)

27. Appellants conclude that the obviousness rejection fails.

B. Discussion

We shall not sustain the examiner's rejection, which is based on an inadequate evidentiary record, and which fails to establish a prima facie case of unpatentability.

The evidentiary record

Findings of fact and conclusions of law by the USPTO must be made in accordance with the Administrative Procedure Act, 5 U.S.C. § 706(A), (E) (1994). *Zurko v. Dickinson*, 527 U.S. 150, 158, 119 S.Ct. 1816, 1821, 50 USPQ2d 1930, 1934 (1999). Our reviewing court has held that findings of fact must be supported [*9] by substantial evidence within the record. *In re Gartside*, 203 F.3d 1305, 1315, 53 USPQ2d 1769, 1775 (Fed. Cir. 2000) ("Because our review of the Board's decision is confined to the factual record compiled by the Board . . . the 'substantial evidence' standard is appropriate for our review of Board factfindings. See 5 U.S.C. § 706(2)(E).") In the present case, the absence of English translations of the French documents is a serious gap in the evidentiary record.

The examiner has relied on two French patent documents as evidence of unpatentability. In this case, it appears that Appellants have not been disadvantaged in responding to the rejections, as they provided the documents n5 and are French nationals. Thus, we may presume they reviewed and understood the French-language documents. In reviewing the record presented on appeal, however, we cannot say the same of ourselves. If we were to rely strictly on the documents of record, we would be unable to make adequate factual findings regarding the teachings of the French language references, and what they would have meant to one of ordinary skill in [*10] the art. Thus, we would be unable to explain the evidentiary basis for our holding of affirmance or reversal. This alone is sufficient basis for reversal or remand.

n5 RU* 1 was filed with Paper No. 7 on August 1, 1996; RU* 2 was filed with Paper No. 3 on April 3, 1995.

When the examiner, as here, relies on a document that is in a foreign language, the examiner bears the burden of providing an English translation, at the latest, before forwarding the appeal to the board. Similarly, when the Applicant relies on a document that is in a foreign language for rebuttal of a rejection, the Applicant bears the burden of producing an English translation to support his position. In the past, the board has often expended the resources necessary to obtain a translation of a foreign language patent or technical article. When it did so, however, the burden of examining the claims with respect to that translation fell on the board in the first instance. Moreover, to the extent that the board relies on parts of a translation not previously provided to an applicant, any affirmance generally has to be a new ground of rejection under 37 CFR § 1.196(b)--which can result in further prosecution. Clearly, [*11] this procedure is inefficient and wastes the time and resources of the USPTO and Appellants.

Efficient prosecution dictates that, when a rejection (or rebuttal) is founded on a document that is not in English, a translation be provided as soon as possible. When, as here, the Applicants can read and understand the reference, and when there appears to be no dispute about what the reference teaches, reliance on a translation provided to the board

along with the examiner's Answer may not merit a new ground of rejection. When the Applicants or their representatives cannot read the non-English language, however, they may not be able to form an adequate understanding of the reference to rebut the rejection on the merits or to amend the claims to avoid the reference. In such cases, Applicants should insist that the examiner provide a translation before a final rejection is entered, seeking supervisory intervention if necessary. By the same token, if Applicants rely on a foreign language reference to rebut a rejection, the examiner may insist on a translation as a condition of a complete response, just as a declaration submitted in a foreign language, without a certified translation, would [*12] have no weight. We do not encourage *pro forma* objections: in some cases, the examiner and Applicants may be able to advance prosecution of a case without a translation. To the extent that the patentability of claims depends on a foreign language reference, however, the record will be incomplete and inadequate until a translation has been entered. In no case should an appeal reach the board without a translation of any foreign language reference relied on by either the examiner or the Applicant.

In this case, unusual circumstances, described in the next section, permit an immediate resolution of this appeal.

The prima facie case of obviousness

In the following discussion, we shall refer only to RU* 1, as the examiner and Appellants appear to treat them cumulatively, and because Bertin, a patent in the same "family" that claims priority, in part, on RU* 1, provides some guidance. We feel this is a reasonable way to proceed because the examiner and Appellants do not appear to have disputed their characterizations of the references. Only the inferences and conclusions each draws from the references are in dispute.

The burden is on the examiner to establish a *prima facie* [*13] case of obviousness of the claimed subject matter over prior art references. *In re Deuel*, 51 F.3d 1552, 1557, 34 USPQ2d 1210, 1214 (Fed. Cir. 1995). Only after that burden is met must the applicant come forward with arguments or evidence in rebuttal. *Id.* Findings of fact must be supported by substantial evidence in the record. *In re Gartside*, 203 F.3d 1305, 1315, 53 USPQ2d 1769, 1775 (Fed. Cir. 2000). A rejection under § 103 is proper only when "the PTO establishes that the invention as claimed in the application is obvious over cited prior art, based on the specific comparison of that prior art with claim limitations." *In re Ochiai*, 71 F.3d 1565, 1572, 37 USPQ2d 1127, 1133 (Fed. Cir. 1995) (emphasis added).

The only fact relied on by the examiner in this appeal is that RU* 1 discloses a stereoisomer of the claimed compounds. (See the Answer at 4; the final office action on the merits, Paper No. 12 at 2--3; and the first office action on the merits, Paper No. 8 at 3.) While a single disclosed chemical structure or formula might suffice as [*14] the sole evidence of unpatentability in a rejection under 35 U.S.C. § 102 for anticipation, such will rarely, if ever, suffice as substantial evidence of obviousness under § 103(a). This is because the examiner must explain why the differences would have been obvious, and the explanation must be supported by evidence in the record.

In the present case, the examiner appears to have relied on a *per se* rule that a stereoisomer is obvious in view of a disclosure of another stereoisomer in the prior art. (Answer at 4.) This is error. *Ochiai* at 1572, 37 USPQ2d at 1133 ("reliance on *per se* rules of obviousness is legally incorrect and must cease.") Moreover, the cases cited by the examiner (Paper No. 8 at 3) do not support the examiner's position.

In the most recent case relied on by the examiner, *In re Deuel*, 51 F.3d 1552, 34 USPQ2d 1210 (Fed. Cir. 1995), the court explained that a *prima facie* case of obviousness based on structural similarity may arise if the "structural relations provide the requisite motivation or suggestion to modify [*15] known compounds to obtain new compounds. For example, a prior art compound may suggest its homologs because homologs often have similar properties and therefore chemists of ordinary skill would ordinarily contemplate making them to try to obtain compounds with improved properties." *Id.* at 1558, 34 USPQ2d at 1214. The court stressed that "in the case before us there must be adequate support in the prior art for the . . . change in structure, in order to complete the PTO's *prima facie* case and shift the burden of going forward to the applicant." *Id.*, quoting *In re Grabiak*, 769 F.2d, 729, 731--32, 226 USPQ 870, 872 (Fed. Cir. 1985). See also, e.g., *In re Payne*, 606 F.2d 303, 313, 203 USPQ 245, 254 (CCPA 1979) ("An obviousness rejection based on similarity in chemical structure and function entails the motivation of one skilled in the art to make a claimed compound, in the expectation that compounds similar in structure will have similar properties."); *May*, 574 F.2d at 1094, 197 USPQ at 611 [*16] ("the basis of the *prima facie* case of obviousness, at least to a major extent, is based on the presumed expectation that compounds which are similar in structure will have similar properties."). Nothing in these cases supports the examiner's apparent position that the disclosure of one enantiomer is sufficient by itself to establish a *prima facie* case of obviousness of the other enantiomer. Where, as here, there is

evidence of unpredictability (e.g., Crossley), and no evidence of common pharmaceutical or biological properties n6, the "presumed expectation" of similar properties due to the similar structures is not well-founded.

n6 We stress the absence of evidence predicting pharmaceutical or biological properties of the compounds because it is only in interactions with other chiral molecules that the properties of one enantiomer will differ from its mirror image: all properties of the enantiomers that involve interactions only with achiral molecules will be identical, by symmetry.

Examination of the remaining cases cited by the examiner shows that words that might be interpreted as establishing a *prima facie* case of obviousness of a claimed stereoisomer over the [*17] enantiomer disclosed in the prior art are either *dicta* because they were not necessary for the disposition of the case, or they were made within the context of the record before the court, and are thus of limited general applicability.

In *In re Adamson*, 275 F.2d 952, 125 USPQ 233 (CCPA 1960) the court upheld an obviousness rejection of claims to "[a] laevo-isomer of a compound . . . substantially separated from the dextro-isomer" over references disclosing the racemate, i.e., a mixture of equal amounts of the enantiomers. More specifically, the references disclosed synthetically produced compounds of the same formula claimed. A chemistry text taught that synthetically produced substances containing asymmetric carbon atoms responsible for optical activity are optically inactive due to the formation of equal amounts of the laevo- and dextro-isomers. *Adamson at 953, 125 USPQ at 234*. Adamson argued that the invention was patentable because they discovered that the prior art product was a racemate, i.e., comprised of optical isomers, that the isomers could be separated, and that there were unexpected [*18] results. The court rejected the first two arguments, finding that, in view of the textbook, one of ordinary skill in the art would have recognized the reference product to be a racemate, and would also know how to separate the isomers. *Id. at 954-55, 125 USPQ at 235*. Finally, the court found the evidence of unexpected results was not persuasive, and so affirmed the rejection. Because the court did not rely on the general proposition that one optical isomer is *prima facie* obvious over its enantiomer, *Adamson* does not stand for that proposition.

In *Brenner v. Ladd*, 247 F.Supp. 51, 147 USPQ 87 (D.D.C. 1965), the district court agreed that, "in the absence of unexpected or unobvious beneficial properties, an optically active isomer is unpatentable over either the isomer of opposite rotation or, as in this case, the racemic compound itself." *Id. at 56, 147 USPQ at 91*. The court's decision, however, appears to be based on its factual finding that the only disclosed utility for the compounds L-acl or L-acl.HCL [*19] was their use as intermediates in the production of L-lysine. *Id.* The court held, however, that this utility would have been obvious over a prior art teaching that DL-acl (the racemate) could be hydrolyzed to DL-lysine through the intermediate DL-acl.HCl. *Id.* In modern terminology, the court found that the only evidence of record showed that L-acl had similar properties to the known DL-acl, and held that the evidence supported a *prima facie* case of obviousness. The broad proposition is thus mere *dicta*, as it was unnecessary for the court's decision.

In *In re Anthony*, 414 F.2d 1383, 162 USPQ 594 (CCPA 1969), Anthony conceded a *prima facie* case of obviousness of the claims to d- and l-enantiomers over a prior art teaching of the racemate. *Id. at 1386, 162 USPQ at 596*. Thus, the issue was not in controversy, and the court's statements, which are limited to reporting the course of proceedings below, are *dicta*.

The examiner has not directed our attention to any evidence in the record that the ordinary steroid chemist would have expected that the enantiomers of the RU* 1 compounds [*20] would have affected spermatozoal activity, as disclosed by Appellants, or that the enantiomers would have any particular common pharmacological properties. Thus, the examiner has not shown that RU* 1 provides any suggestion to make or use the claimed enantiomers. Accordingly, we reverse this rejection.

Appellants appear to urge that the failure of RU* 1 to teach any utility for the claimed compounds, and the known unpredictable nature of the changes in activity, toxicity, and utility due to changes in chirality, require reversal of the examiner's rejection. (Brief at 4.) To the extent that Appellants intend to argue that the examiner has not established any basis for concluding that one of ordinary skill in the art would have had a reasonable expectation that the claimed compounds would have similar biological properties as the reference compounds, we agree that a *prima facie* case of obviousness has not been established, and that the rejection must be reversed for this reason as well.

Further considerations

In the event of further prosecution, the examiner and Appellants should consider the following issues:

Information disclosure statement

The information disclosure statement [*21] filed April 3, 1995, in Paper No. 3, has not been initialed by the examiner, although the examiner checked a box on the first action, Paper No. 6, indicating that the Notice of Art Cited by Applicant, form PTO-1449, was attached to the action. The examiner should take appropriate action.

Potential new matter issues:

The examiner and Appellants should determine whether new matter has been entered into the specification in violation of 35 U.S.C. § 132. Appellants submitted amendments to the specification (Paper No. 10, at page 1), alleging that certain material was omitted due to an error of translation from their French priority document. (*Id.*, at page 3.) However, the foreign priority document does not appear to be incorporated by reference into Appellants' specification. Under 35 U.S.C. § 119, the benefit of priority is granted only to the extent that "the same application would have if filed in this country on the date on which the application for patent for the same invention was first filed in such foreign country," i.e., to the extent that common subject matter is disclosed. Absent an explicit incorporation [*22] by reference, the foreign priority document is not available as antecedent basis for amendments to the specification or claims. *Ex parte Bondiou*, 132 USPQ 356, 358 (Bd. App. 1961) (changing disclosure from "four hours" to -four days- not permitted because it introduced new matter under 35 U.S.C. § 132); *see also* MPEP § 2163.07 (8th Ed., August 2001). The examiner and Appellants should determine whether support for the amendments exists in the specification as filed. *See In re Oda*, 443 F.2d 1200, 1205-06, 170 USPQ 268, 272 (CCPA 1971) (permitting corrections of translation errors, explaining that the amendments did not result in any change in the claimed subject matter, and that the evidence of record was sufficient to show that one skilled in the art would have appreciated not only the existence of error, but what the error was and how to correct it).

In claim 3, the definition of "n" appears to be superfluous because n does not appear in formula I'.

In claim 5, a left parenthesis appears to be missing in the bracketed portion of the chemical name: 20-
[[(dimethylamino)-ethyl]-amino] [*23]

C. Decision

The rejections are reversed.

D. Order

Upon consideration of the appeal, and solely for the reasons given, it is

ORDERED that the decision of the examiner rejecting claims 1 through 5 is reversed.

FURTHER ORDERED that no time period for taking any subsequent action in connection with this appeal may be extended under 37 CFR § 1.136(a).

REVERSED